AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS: (Change required to claim 1)

1. (previously presented): A method of manufacturing a glass substrate for a magnetic disk by chemically strengthening the glass substrate, the glass substrate containing alkali ions, the method comprising the steps of:

chemically strengthening the glass substrate by the use of a first alkali ion having a first ion radius greater than a smallest ion radius of a smallest alkali ion among the alkali ions contained in the glass substrate so as to produce compression stress on a surface of the glass substrate and to produce tensile stress in a depth of the glass substrate; and

subsequently chemically strengthening the glass substrate by the use of a second alkali ion having a second ion radius greater than the first ion radius of the first alkali ion so as to increase the compression stress of the surface of the glass substrate and to reduce the tensile stress of the depth of the glass substrate,

wherein the glass substrate contains lithium ions and no tin.

2. (original) A method as claimed in claim 1, wherein:

a first molten salt containing sodium nitrate is used as a first processing agent for supplying the first alkali ion, and

a second molten salt containing potassium nitrate is used as a second processing agent for supplying the second alkali ion.

3. (original) A method as claimed in claim 1, wherein:

the glass substrate is made of a glass containing 58-75 weight % SiO_2, 5-23 weight % Al_2O_3, 3-10 weight % Li_2O, and 4-13 weight % Na_2O.

4. (previously presented) A method as claimed in claim 1, wherein:

the glass substrate has a thickness of 0.2 to 0.9 mm.

5. (cancelled)

6. (previously presented): A method as claimed in claim 1, wherein:

at least a magnetic layer is formed on the glass substrate to obtain the magnetic disk.

7. (previously presented): A method as claimed in claim 4, wherein:

the glass substrate has a thickness of 0.2 to 0.6 mm.

8. (new): A method of manufacturing a glass substrate for a magnetic disk by chemically strengthening the glass substrate, the glass substrate containing alkali ions, the method comprising the steps of:

chemically strengthening the glass substrate by the use of a first alkali ion having a first ion radius greater than a smallest ion radius of a smallest alkali ion among the alkali ions contained in the glass substrate so as to produce compression stress on a surface of the glass substrate and to produce tensile stress in a depth of the glass substrate; and

subsequently chemically strengthening the glass substrate by the use of a second alkali ion having a second ion radius greater than the first ion radius of the first alkali ion so as to increase the compression stress of the surface of the glass substrate and to reduce the tensile stress of the depth of the glass substrate,

wherein the glass substrate contains lithium ions.